AEE/DD/SBR/02/19-20
dt-25/4/19

Original/Duplicate/ Triplicate
Contract Certificate
(For Other Works)
Sub-Division

Date : .....

No : 2nd and Final
E... arahalli
B... d No.....Dated .....Cash Book Voucher No. ..... Dated.....

Scheduled Doctet No..... Head of Account:

Name of Work : Improvements of re-asphalting Dasarahalli Main Road & other Roads , S Ramaiash, Ganesha Sawmill, Kempegowda Nagara & Maheshwari Nagara Roads Construction drain and Concrete Main roads &Cross roads of Vidyanagara Dasarahalli Ward No:15&39 (6-works) Package No. DZ 2017-18-(05)

M.S.Venkatesh

JOB CODE :

Reference to Agreement No.
Work Order No: EE/DD/WO/305/18-19 Dated:02.02.2019
Certified that the measurements were taken by me on .....30/3/2019.....and recorded in pages 63808 to 63813 of measurements Book No .639/2017-18 and that the work is satisfactorily executed.

ಎಂ.ವಿ.ವೆಂಕಟೇಶ್.
Contractor

Officer – in – charge of work

Certified that the measurements were checked by me on .....30.03.2019.....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accountant II have been actually bought to the site of the work and contactor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor in recorded in the office.

If Memorandum of Payment **Job Code:**

Sub-Division Officer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಡಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

		Amount
1.	Total Value of work done or supplies made as per account within	1st and Part Bill Amount → 110 ₹ ₹ 219 = ∞
2.	Deduct amount to be held in reserve being.....percent Rs.	
3.	-do- Balance	Final Bill Amount → 219158 ₹ ₹ = ∞
4.	Deduct Payments: a) Amount of previous payment as in the Office Cash Book Voucher No. .....Dated..... Amount adjusted towards cash advance recovery of b) Payments cost store or other materials supplied.	IT → 43831 8 = ∞ (-) 1109634 = ∞ LWC → 219 159 = ∞ LR → 3888 ₹ = ∞ CBF → 21916 = ∞ CGST → 19567 ₹ = ∞ SGST → 19567 ₹ = ∞
5.	Balance being unpaid value of work done held in reserve	
6.	Deduct cash advance made on the office Cash Book Voucher No. ..... dated.....less adjustments	
7.	Net amount due to or from contractor	Net Payment → 2080624 3 = ∞
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	

ಎಂ.ವಿ.ವೆಂಕಟೇಶ್.
Contractor Signature

Received Rs. ..... (in words)
.....
.....by cash and by adjustment of
Payment as per memorandum
(In final settlement of all demand)

Witness:
1.
2.

Stamp

ಎಂ.ವಿ.ವೆಂಕಟೇಶ್.
Signature of the Contractor

Date

Paid by me by Cheque No. ..... Dated.....
Cash Rs. ..... Dated.....
Initials of office making payment dated.....

(For use in the office)

Audited and admitted for Rs. 219158 ₹ ₹ = ∞
Passed by Cheque for Rs. 2080624 3 = ∞
(.....)
by adjustment Rs. 1109634 = ∞

Executive Engineer
Accounts Superintendent
Exe. Engineer
B.B.M.P. Dasarahalli Division

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Name of Work : Improvements of re-asphalting Dasarahalli Main Road & other Roads , S Ramaiash, Ganesha Sawmill, Kempegowda Nagara & Maheshwari Nagara Roads Construction drain and Concrete Main roads &Cross roads of Vidyanagara Dasarahalli Ward No:15&39 (6-works) Package No. DZ 2017-18-(05)

Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20 Page No.137 Item No.18.2 of KPWD S.R2016-2017	Cum	1174.10	480758.73	–	409.47	–	1174.10	480758.73	
2	Removing B.S. slab of Drain and stacking.(page No 25., I.no.5.32 of KPWD S.R 2016-17)	Sqm	–	–	3150.00	73.59	231808.50	3150.00	231808.50	
3	Earthwork excavation by manulal means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / chapter 3 (P-141/19.1)	Cum	1692.92	164754.97	1587.15	97.32	154461.44	3280.07	319216.41	
20	Refixing B.S. slab of Drain and pointing in C.M (1:3) (Page No.25., I NO.5.33 of KPWD S.R 2016-17)	Cum	–	–	3150.00	90.20	284130.00	3150.00	284130.00	
21	Providing Precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge Data rate	Cum	–	–	702.00	2053.53	1441578.06	702.00	1441578.06	
4	KSRB4-1.2 Providing and Laying in Position plain cement concerete of mix 1:3:6 with OPC Cement @ 220 Kgs 40 MM and Down Size graded granite metal coarse aggregates @ 0.892 cum and Fine aggragetes @ 0.465cum machine mixed, Machine mixed Concerete laid in Layers not Exceeding 15 cms thick well compacted in foundation including cost of all materials labour HOM of machinery , curing complete as per specifications. Specification No 4.1,4.2 1:3:6 Concerete Page NO 12 I.No. 4.2 of KPWdDS.R 2016-2017	Cum	808.19	4840257.99	–	5989.01	–	808.19	4840257.99	
5	KSRB 4-1.5 : Providing and laying in position plain cement concrete cum of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2	Cum	391.13	2572735.80	–	6577.70	–	391.13	2572735.80	

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Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
9	KSRRB M600 22.6.2Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) Page No 177 I.No. 22.6.2 of KPWD S.R. 2016-2017	Cum	347.55	2143768.34	–	6168.23	–	347.55	2143768.34	
10	Providing vaccum dewatering concrete as per direction of engineer in charge of the work Page No 177 I.No. 22.7 of KPWD S.R 2016-2017	Cum	5200.90	555560.14	–	106.82	–	5200.90	555560.14	
11	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. Page No 178 I.No.22.8.1 of KPWD S.R. 2016-2017	Rmt	1067.40	145689.43	–	136.49	–	1067.40	145689.43	
12	KSRB 500-2: Cleaning the existing Black Topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all material, labour, HOM of amchiineries complete as per specifications. Specification No. KRBS 500-2.4.2 MORTH Specification No.502-4.2 & 503-3.1.(Page No 161. I.No 21.2 of KPWD S.R 2016-17)	Sqm	–	–	18807.00	3.56	66952.92	18807.00	66952.92	
8	Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Item No: 20.18, Page No:157 of KPWD S.R2016-17)	Cum	–	–	483.05	1979.72	956303.75	483.05	956303.75	

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Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
14	KSRRB M500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surfaces) including cost of all materials, labour,HOM of machineries complete as per specifications.MORTH/ Chapter 5 (Page No.160, Item No 21.7 of KPWD S.R 2016-17)	Sqm	–	–	18807.00	13.06	245619.42	18807.00	245619.42	
13	KSRRB 3000 Filling Pot-holes and Patch Repairs with Bituminous Concrete, 40 mm KSRRB M3000-5. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, applying tack coat on the sides and base of excavation at 2.5kg/10sqm as per clause 500.3, back filling the pot holes with hot bituminous material as per clause 500.4, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH Specification No. 3004.2	Sqm	–	–	1995.20	338.26	674896.35	1995.20	674896.35	
15	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed Coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, butexcluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (50 mm to 75 mm) with 3.3 % VG-30 Bitumen	Cum	–	–	261.90	6210.95	1626647.81	261.90	1626647.81	
16	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (30 mm to 45 mm) with6 % VG-30 BitumenMORTH Specification No. 509(Sl No. 21.22.6, Page 164)	Cum	–	–	750.84	15283.48	11475448.12	750.84	11475448.12	
17	Add Plastic to Bituminous Concrete 8% of Bitumen	kg	–	–	509.15	30.23	15391.64	509.15	15391.64	

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Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
18	Road marking with Hot Applied Thermoplastic Compound with reflectorising glass beads on bituminous surface:- Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC 35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page no- 181., It-24.15 of KPWD S.R 2016-17	Sqm	–	–	1134.76	607.68	689570.96	1134.76	689570.96	
6	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	Nos	–	–	5955.00	432.03	2572738.65	5955.00	2572738.65	
7	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	–	–	938.00	71.21	66794.98	938.00	66794.98	
19	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die- Nos cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos	–	–	3045.00	402.35	1225155.75	3045.00	1225155.75	
22	Lead charges for conveying the Exacavated earth including loading and unloading upto 10kms as per directions.	Cum	1463.42	173693.3	1587.15	118.69	188378.83	3050.57	362072.15	
	Grand Total			110773193-00			**21915877**		**32993096**	

1 Certified that work done satisfacotry
2 Certified that there are no dues from contractors towards this work.
3 Certified that Contractor removed all debries from site.

AE

Assistant Engineer

Assistant Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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